

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/050,898A
Source: 1FW16
Date Processed by STIC: 4/29/05

ENTERED



IFW16

RAW SEQUENCE LISTING

DATE: 04/29/2005

PATENT APPLICATION: US/10/050,898A

TIME: 10:53:38

Input Set : A:\sequence listing ascii.txt

Output Set: N:\CRF4\04292005\J050898A.raw

5 <110> APPLICANT: Renner, Wolfgang A.
 6 Bachmann, Martin
 7 Tissot, Alain
 8 Maurer, Patrick
 9 Lechner, Franziska
 10 Sebbel, Peter
 11 Piossek, Christine
 12 Ortmann, Rainer
 13 Luond, Rainer
 14 Staufenbiel, Matthais
 15 Frey, Peter
 17 <120> TITLE OF INVENTION: Molecular Antigen Array
 19 <130> FILE REFERENCE: 1700.0190005
 21 <140> CURRENT APPLICATION NUMBER: 10/050,898A
 22 <141> CURRENT FILING DATE: 2002-01-18
 24 <150> PRIOR APPLICATION NUMBER: US 60/262,379
 25 <151> PRIOR FILING DATE: 2001-01-19
 27 <150> PRIOR APPLICATION NUMBER: US 60/288,549
 28 <151> PRIOR FILING DATE: 2001-05-04
 30 <150> PRIOR APPLICATION NUMBER: US 60/326,998
 31 <151> PRIOR FILING DATE: 2001-10-05
 33 <150> PRIOR APPLICATION NUMBER: US 60/331,045
 34 <151> PRIOR FILING DATE: 2001-11-07
 36 <160> NUMBER OF SEQ ID NOS: 431
 38 <170> SOFTWARE: PatentIn Ver. 3.2
 40 <210> SEQ ID NO: 1
 41 <211> LENGTH: 41
 42 <212> TYPE: DNA
 43 <213> ORGANISM: Artificial Sequence
 45 <220> FEATURE:
 46 <223> OTHER INFORMATION: Primer
 48 <400> SEQUENCE: 1
 49 ggggacgcgt gcagcaggta accaccgtta aagaaggcac c
 52 <210> SEQ ID NO: 2
 53 <211> LENGTH: 44
 54 <212> TYPE: DNA
 55 <213> ORGANISM: Artificial Sequence
 57 <220> FEATURE:
 58 <223> OTHER INFORMATION: Primer
 60 <400> SEQUENCE: 2
 61 cgggtggttac ctgctgcacg cgttgcttaa gcgacatgta gcgg
 64 <210> SEQ ID NO: 3
 65 <211> LENGTH: 20

P.6

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66 <212> TYPE: DNA
67 <213> ORGANISM: Artificial Sequence
69 <220> FEATURE:
70 <223> OTHER INFORMATION: Primer
72 <400> SEQUENCE: 3
73 ccatgaggcc tacgataccc                20
76 <210> SEQ ID NO: 4
77 <211> LENGTH: 25
78 <212> TYPE: DNA
79 <213> ORGANISM: Artificial Sequence
81 <220> FEATURE:
82 <223> OTHER INFORMATION: Primer
84 <400> SEQUENCE: 4
85 ggcactcacg gcgcgcttta caggc        25
88 <210> SEQ ID NO: 5
89 <211> LENGTH: 47
90 <212> TYPE: DNA
91 <213> ORGANISM: Artificial Sequence
93 <220> FEATURE:
94 <223> OTHER INFORMATION: Primer
96 <400> SEQUENCE: 5
97 ccttctttaa cgggtggttac ctgctggcaa ccaacgtggt tcatgac    47
100 <210> SEQ ID NO: 6
101 <211> LENGTH: 40
102 <212> TYPE: DNA
103 <213> ORGANISM: Artificial Sequence
105 <220> FEATURE:
106 <223> OTHER INFORMATION: Primer
108 <400> SEQUENCE: 6
109 aagcatgctg cacgcgtgtg cgggtggtcgg atcgcccggc        40
112 <210> SEQ ID NO: 7
113 <211> LENGTH: 90
114 <212> TYPE: DNA
115 <213> ORGANISM: Artificial Sequence
117 <220> FEATURE:
118 <223> OTHER INFORMATION: Primer
120 <400> SEQUENCE: 7
121 ggggtctagat tccaacccat tcccttatcc aggcctttttg acaacgctat gctccgcgcc 60
122 catcgtctgc accagctggc ctttgacacc                90
125 <210> SEQ ID NO: 8
126 <211> LENGTH: 108
127 <212> TYPE: DNA
128 <213> ORGANISM: Artificial Sequence
130 <220> FEATURE:
131 <223> OTHER INFORMATION: Primer
133 <400> SEQUENCE: 8
134 ggggtctagaa ggaggtaaaa aacgatgaaa aagacagcta tcgcgattgc agtggcactg 60
135 gctggtttcg ctaccgtagc gcaggccttc ccaaccattc ccttatcc    108
138 <210> SEQ ID NO: 9

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139 <211> LENGTH: 31
140 <212> TYPE: DNA
141 <213> ORGANISM: Artificial Sequence
143 <220> FEATURE:
144 <223> OTHER INFORMATION: Primer
146 <400> SEQUENCE: 9
147 cccgaattcc tagaagccac agctgccctc c 31
150 <210> SEQ ID NO: 10
151 <211> LENGTH: 24
152 <212> TYPE: DNA
153 <213> ORGANISM: Artificial Sequence
155 <220> FEATURE:
156 <223> OTHER INFORMATION: Primer
158 <400> SEQUENCE: 10
159 cctgcggtgg tctgaccgac accc 24
162 <210> SEQ ID NO: 11
163 <211> LENGTH: 41
164 <212> TYPE: DNA
165 <213> ORGANISM: Artificial Sequence
167 <220> FEATURE:
168 <223> OTHER INFORMATION: Primer
170 <400> SEQUENCE: 11
171 ccgcggaaga gccaccgcaa ccaccgtgtg ccgccaggat g 41
174 <210> SEQ ID NO: 12
175 <211> LENGTH: 33
176 <212> TYPE: DNA
177 <213> ORGANISM: Artificial Sequence
179 <220> FEATURE:
180 <223> OTHER INFORMATION: Primer
182 <400> SEQUENCE: 12
183 ctatcatcta gaatgaatag aggattcttt aac 33
186 <210> SEQ ID NO: 13
187 <211> LENGTH: 15
188 <212> TYPE: DNA
189 <213> ORGANISM: Artificial Sequence
191 <220> FEATURE:
192 <223> OTHER INFORMATION: Modified ribosome binding site
194 <400> SEQUENCE: 13
195 aggaggtaaa aaacg 15
198 <210> SEQ ID NO: 14
199 <211> LENGTH: 21
200 <212> TYPE: PRT
201 <213> ORGANISM: Artificial Sequence
203 <220> FEATURE:
204 <223> OTHER INFORMATION: signal peptide
206 <400> SEQUENCE: 14
207 Met Lys Lys Thr Ala Ile Ala Ile Ala Val Ala Leu Ala Gly Phe Ala
208 1 5 10 15
210 Thr Val Ala Gln Ala

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211          20
214 <210> SEQ ID NO: 15
215 <211> LENGTH: 46
216 <212> TYPE: PRT
217 <213> ORGANISM: Artificial Sequence
219 <220> FEATURE:
220 <223> OTHER INFORMATION: modified Fos construct
222 <400> SEQUENCE: 15
223 Cys Gly Gly Leu Thr Asp Thr Leu Gln Ala Glu Thr Asp Gln Val Glu
224   1          5          10          15
226 Asp Glu Lys Ser Ala Leu Gln Thr Glu Ile Ala Asn Leu Leu Lys Glu
227          20          25          30
229 Lys Glu Lys Leu Glu Phe Ile Leu Ala Ala His Gly Gly Cys
230          35          40          45
233 <210> SEQ ID NO: 16
234 <211> LENGTH: 6
235 <212> TYPE: PRT
236 <213> ORGANISM: Artificial Sequence
238 <220> FEATURE:
239 <223> OTHER INFORMATION: peptide linker
241 <400> SEQUENCE: 16
242 Ala Ala Ala Ser Gly Gly
243   1          5
246 <210> SEQ ID NO: 17
247 <211> LENGTH: 6
248 <212> TYPE: PRT
249 <213> ORGANISM: Artificial Sequence
251 <220> FEATURE:
252 <223> OTHER INFORMATION: peptide linker
254 <400> SEQUENCE: 17
255 Gly Gly Ser Ala Ala Ala
256   1          5
259 <210> SEQ ID NO: 18
260 <211> LENGTH: 256
261 <212> TYPE: DNA
262 <213> ORGANISM: Artificial Sequence
264 <220> FEATURE:
265 <223> OTHER INFORMATION: Fos fusion construct
267 <400> SEQUENCE: 18
268 gaattcagga ggtaaaaaaac gatgaaaaag acagctatcg cgattgcagt ggcactggct 60
269 ggttttcgcta ccgtagcgca ggccctgggtg ggggcggccg cttctggtgg ttgcggtgg 120
270 ctgaccgaca ccctgcaggc ggaaaccgac caggtggaag acgaaaaatc cgcgctgcaa 180
271 accgaaatcg cgaacctgct gaaagaaaaa gaaaagctgg agttcatcct ggcggcacac 240
272 ggtggttgct aagctt          256
275 <210> SEQ ID NO: 19
276 <211> LENGTH: 52
277 <212> TYPE: PRT
278 <213> ORGANISM: Artificial Sequence
280 <220> FEATURE:

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281 <223> OTHER INFORMATION: Fos fusion construct

283 <400> SEQUENCE: 19

284 Ala Ala Ala Ser Gly Gly Cys Gly Gly Leu Thr Asp Thr Leu Gln Ala

285 5 10 15

287 Glu Thr Asp Gln Val Glu Asp Glu Lys Ser Ala Leu Gln Thr Glu Ile

288 20 25 30

290 Ala Asn Leu Leu Lys Glu Lys Glu Lys Leu Glu Phe Ile Leu Ala Ala

291 35 40 45

293 His Gly Gly Cys

294 50

298 <210> SEQ ID NO: 20

299 <211> LENGTH: 261

300 <212> TYPE: DNA

301 <213> ORGANISM: Artificial Sequence

303 <220> FEATURE:

304 <223> OTHER INFORMATION: Fos fusion construct

307 <220> FEATURE:

308 <221> NAME/KEY: CDS

309 <222> LOCATION: (22)..(240)

311 <400> SEQUENCE: 20

312 gaattcagga ggtaaaaaac g atg aaa aag aca gct atc gcg att gca gtg 51

313 Met Lys Lys Thr Ala Ile Ala Ile Ala Val

314 1 5 10

316 gca ctg gct ggt ttc gct acc gta gcg cag gcc tgc ggt ggt ctg acc 99

317 Ala Leu Ala Gly Phe Ala Thr Val Ala Gln Ala Cys Gly Gly Leu Thr

318 15 20 25

320 gac acc ctg cag gcg gaa acc gac cag gtg gaa gac gaa aaa tcc gcg 147

321 Asp Thr Leu Gln Ala Glu Thr Asp Gln Val Glu Asp Glu Lys Ser Ala

322 30 35 40

324 ctg caa acc gaa atc gcg aac ctg ctg aaa gaa aaa gaa aag ctg gag 195

325 Leu Gln Thr Glu Ile Ala Asn Leu Leu Lys Glu Lys Glu Lys Leu Glu

326 45 50 55

328 ttc atc ctg gcg gca cac ggt ggt tgc ggt ggt tct gcg gcc gct 240

329 Phe Ile Leu Ala Ala His Gly Gly Cys Gly Gly Ser Ala Ala Ala

330 60 65 70

332 ggggtgtgggg atatcaagct t 261

335 <210> SEQ ID NO: 21

336 <211> LENGTH: 73

337 <212> TYPE: PRT

338 <213> ORGANISM: Artificial Sequence

340 <220> FEATURE:

341 <223> OTHER INFORMATION: Fos fusion construct

343 <400> SEQUENCE: 21

344 Met Lys Lys Thr Ala Ile Ala Ile Ala Val Ala Leu Ala Gly Phe Ala

345 1 5 10 15

347 Thr Val Ala Gln Ala Cys Gly Gly Leu Thr Asp Thr Leu Gln Ala Glu

348 20 25 30

350 Thr Asp Gln Val Glu Asp Glu Lys Ser Ala Leu Gln Thr Glu Ile Ala

351 35 40 45

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/050,898A

DATE: 04/29/2005
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:111; Xaa Pos. 28
Seq#:283; N Pos. 9872
Seq#:421; Xaa Pos. 31
Seq#:422; Xaa Pos. 1
Seq#:423; Xaa Pos. 19

Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete,
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:352,353,354,355,358,359,360,363,364,365,366,367,368,369,370,371,372,373
Seq#:374,375,376,377,378,379,380,381,382,383,384,385,386,387,388,389,390,391
Seq#:392,393,394,395,396,397,398,399,400,405,406,407,408,409,410,411,412,413
Seq#:414,415,416,417,418,419,420,421,422,423,424,425,426,427,428,431

VERIFICATION SUMMARY

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Input Set : A:\sequence listing ascii.txt

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L:2386 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:111 after pos.:16
L:5207 M:300 W: (50) Intentionally skipped Sequence, : Sequence Id (177) SEQUENCE:
L:9590 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:283 after pos.:9840
L:13290 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:421 after pos.:16
L:13310 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:422 after pos.:0
L:13338 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:423 after pos.:16